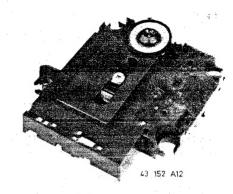
Service Service Service



SEMENHEILE



TABLE OF CONTENTS

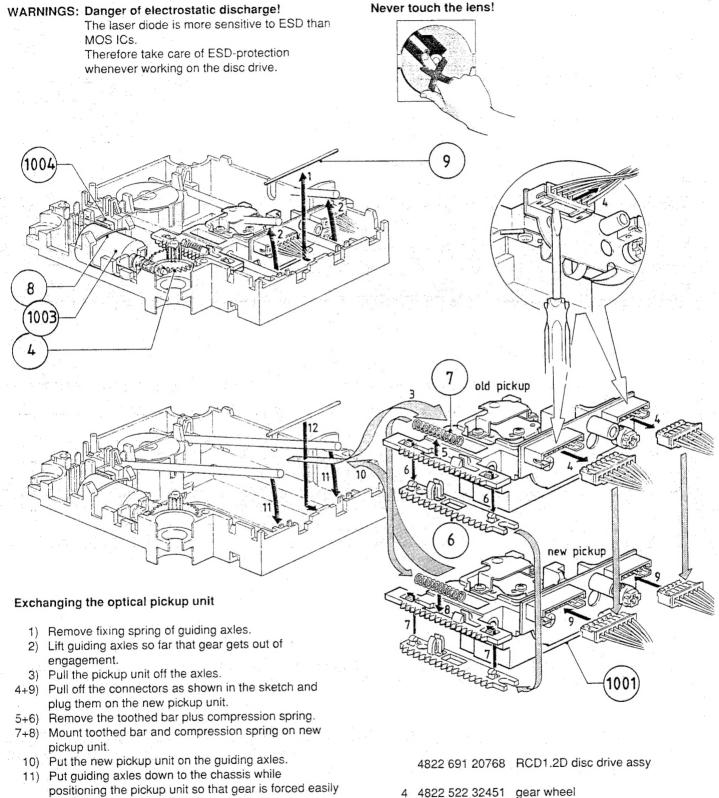
Exchange instruction for optical pickup unit Partslist
Service hints
Cleaning the lens

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.



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Exchange instruction for the OPTICAL PICKUP unit



IMPORTANT NOTE:

into engagement.

12) Mount fixing spring of guiding axles.

All electrical adjustments have to be carried out new. Follow the adjustment table of the service manual for the relevant set the disc drive is used.

The laser control is located on the optical pickup unit. The laser current has therefore already been adjusted by the factory.

4 4822 522 32451 gear wheel 6 4822 522 32453 toothed bar

7 4822 492 51979 spring, compression

8 4822 492 63941 spring, wire (motor)

9 4822 492 63942 spring, wire (axles)

1001 4822 691 30327 optical pickup unit

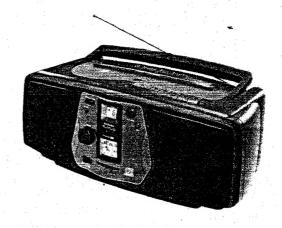
1003 4822 361 21113 servomotor, RF300C-11440

1004 4822 276 12163 switch, leaf

Only those parts of which a service code number is stated are service parts.

CD Stereo Radio Recorder AZ8040/00/05/20/21/37/41





Sarvicallanual

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Service Manual RCD1.2D	
Service Marida HOD 1.20	

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SPECIFICATION

GENERAL

Mains voltage : 230V - /00/20

240V - /05 120V - /37

120V/230V -/21/41

Mains frequency : 50Hz - /00/05

60Hz -/17 50/60Hz -/21/41

Battery : 9V (R20 x 6)

Power consumption : 24W max.

Dimension (W x D x H) : 420 x 180 x 229mm

Weight : 3.7kg

TUNER: FM SECTION

Tuning range : 87.5MHz - 108MHz

 $\begin{array}{lll} \text{IF frequency} & : & 10.7 \text{MHz} \\ \text{Sensitivity at 26dB S/N} & : & < 23 \mu\text{V} \\ \text{Selectivity at 600kHz bandwidth} & : & > 20 \text{dB} \\ \text{IF rejection} & : & > 50 \text{dB} \\ \text{Image rejection} & : & > 20 \text{dB} \\ \end{array}$

TUNER: AM SECTION -/00/05/20/21/41

Tuning range MW : 522kHz - 1607kHz

LW : 148.5kHz - 284kHz - not for /21/41

IF frequency : 468kHz Sensitivity at 26dB S/N MW : < 4.0mV/M

LW : < 6.0 mV/M - not for /21/41

Selectivity at 18kHz bandwidth MW : > 16dB

LW : > 20dB - not for /21/41

IF rejection MW : > 24dB

LW : > 26dB - not for /21/41

Image rejection MW : > 28dB

LW : > 30dB - not for /21/41

TUNER: AM SECTION -/37

Tuning range AM : 530kHz - 1710kHz

IF frequency : 468kHz
Sensitivity at 26dB S/N AM : < 4.0mV/M
Selectivity at 18kHz bandwidth AM : > 16dB
IF rejection AM : > 24dB

AMPLIFIER

Output power at 10% distortion: Mains: 2 x 1.6W -1dB

Battery : 2 x 1.6W -1dB

Speaker impedance $2 \times 6\Omega$

Frequency response within +7dB/-3dB : 100Hz - 8kHz

CASSETTE RECORDER

Number of tracks : 2×2 stereo Tape speed : 4.76 cm/sec $\pm 3\%$

Wow and flutter : < 0.3%
Fast-wind time C60 : 120 sec

Bias system: AM/FM : $60 \text{kHz} \pm 3 \text{kHz}$ Recording playback frequency response within -8dB : 250 Hz - 6.3 kHz

Signal to Noise ratio: AM/FM rec : > 40dB

COMPACT DISC

Frequency response within ± 3dB : 30Hz - 160kHz

Signal/Hiss ratio : > 80dB
Distortion at 1kHz : < 0.3%
Channel difference at 1kHz : < 2dB
Channel crosstalk at 1kHz : 50dB

PCS 63 874

SERVICE HINTS

Service DISC - HOLDDOWN

The disc must always be fixed well on the turntable. If the mechanism has to be dismounted for repair, a separate disc-holddown has to be used (e.g. service discholddown 4822 532 51871).

The CD mechanism then can function normally as in the set.

REDUCTION of REPAIR PRICE

If the disc drive does not function, in most cases the optical pickup unit will be defect.

To reduce the actual repair price it is recommended to replace the optical pickup unit only.

Follow the exchange instruction on the previous page.

CHARACTERISTIC FAILURES

Possible customer complaint:

- no function, does not startup
- plays badly
- skips tracks
- very sensitive to shocks

General observation by investigation:

HF- signal too small.

Cause: Mechanical x/y-adjustment of the diode array on the optical pickup unit has drifted.

Attention: The laser control of the RCD1.2 disc drive is located on the optical pickup unit. The laser current has been adjusted in the production line and is not intended to be varied for service purposes.

If the HF - signal is considerably smaller than 800mV_{DD}, check as follows:

- * Play a disc.
- * Turn the Focus OFFSET potmeter while observing the HF - signal:
- THE HF SIGNAL DECREASES IN BOTH DIRECTIONS → the x/y-adjustment of the diode array is o.k.
- THE HF SIGNAL INCREASES IN ONE DIRECTION → adjust to max. HF signal level and check

FOCUS OFFSET voltage:

 $\leq \pm 100 \text{mV DC} \rightarrow \text{x/y-adjustment of diode array}$ within tolerance.

 $> \pm 100$ mV DC \rightarrow x/y-adjustment of diode array has drifted and is out of tolerance.

→ exchange optical pickup unit!

In case of a positive result - x/y-adjustment of diode array is o.k. - the reason for a too small HF signal might be a dying laser diode or any other fault in the electronic circuit.

CLEANING the LENSE

Principle: Avoid cleaning of the lens!

DUST particles are normally no major problem. They can be blown away with oilfree compressed air.

Finger - prints

If the lens is obviously polluted with finger - prints, it can be cleaned with alcohol or spirit.

Take a padstick and tip it into alcohol until it is soaked. Then clean the surface of the lens by rotating the soaked padstick smoothly.

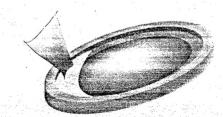
The alcohol will dissolve the finger - prints, rotation helps mechanically. Finally the lens will be filled with the dirty cleaning solvent.



Now incline the lens (disc drive) and soak the solvent up with absorbent paper.

The remnants of the solvent will evaporate.





Service Aids

Screw drivers:

Torx driver set T6 - T20 4822 395 50145
Torx driver T8 4822 395 50263
Torx driver T10 extended 4822 395 50423

Cassettes:

SBC 420 Test cassette Ferro - IEC 14822 397 30071

Compact disc:

SBC 429 Audio Signals disc 1 4822 397 30184

Service Hints

Align the Mode Selector switch (item no. 1550) and Mode Switch 4 to the left before encasing the Front cabinet to the Back Cabinet.

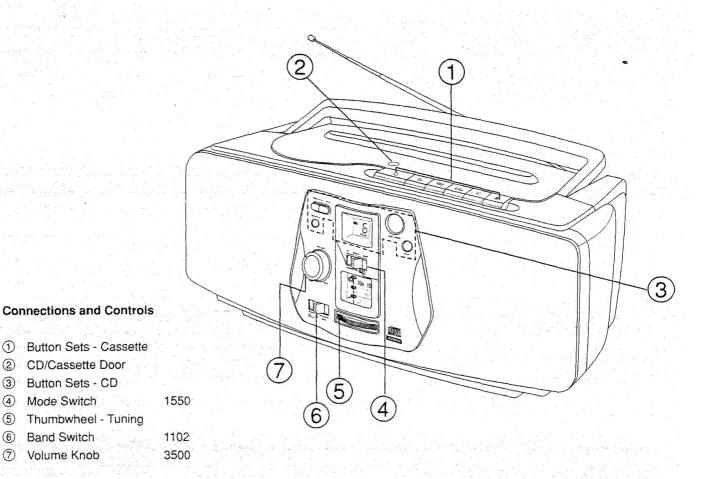
CD SERVICE MODE

Following can be tested with test programme.

- * Sledge motor
- * Disc motor
- * Focus servo

Operation Sequence	Display Shows	Remarks	In case of problem
Step 0 Hold "Next" & "Previous" while switching mode selector to "CD"	<u>""</u>	Sledge servo can be moved inward or outward by pressing "Previous" or "Next" respectively. Sledge move till key is released. Pressing "Shuffle" moves Dismotor clockwise. Pressing "Stop" moves Discontor anticlockwise. Discontor turn till key is release.	Sledge motor and drive circuit for sledge motor. Disc motor and driver circuit for disc motor.
Step 1 Insert any disc. Close the door. Press "Play".	1	Focus on.	Focus servo circuit.
Step 2 Press "Play"	يّ	Disc motor on.	Disc motor and driver circuit for disc motor.
Step 3 Press "Play"	3	Radial Servo on. Mute is release. Holding "Next/Previous" key jump in small step. Holding "Shuffle/Play" key moves fast in/outside.	
From anywhere within the service program. Press "Stop" to get back to step 0. To leave service mode, switch selector to OFF position.			

3



TAPEDECK ADJUSTMENT

② CD/Cassette Door 3 Button Sets - CD

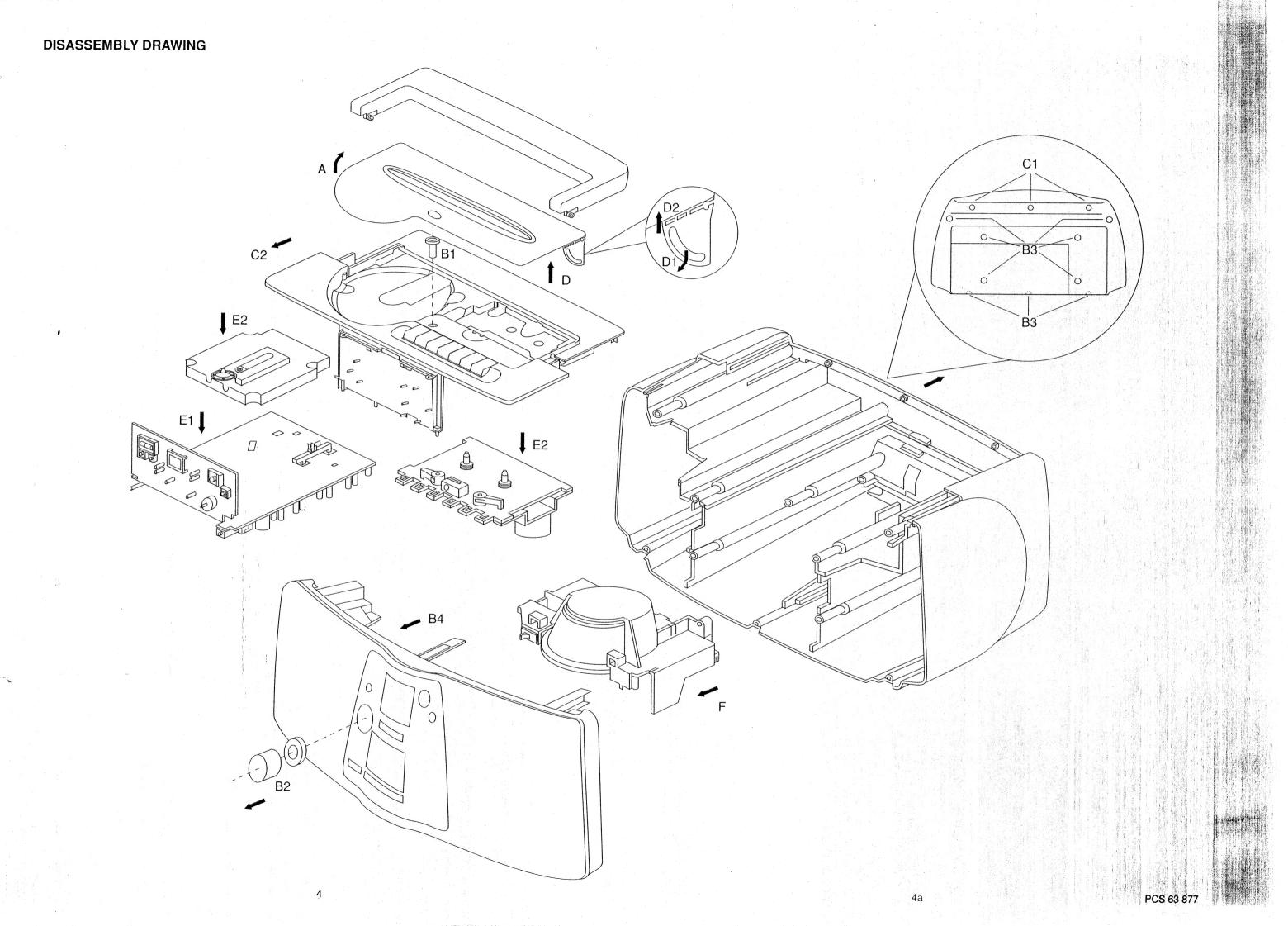
Mode Switch

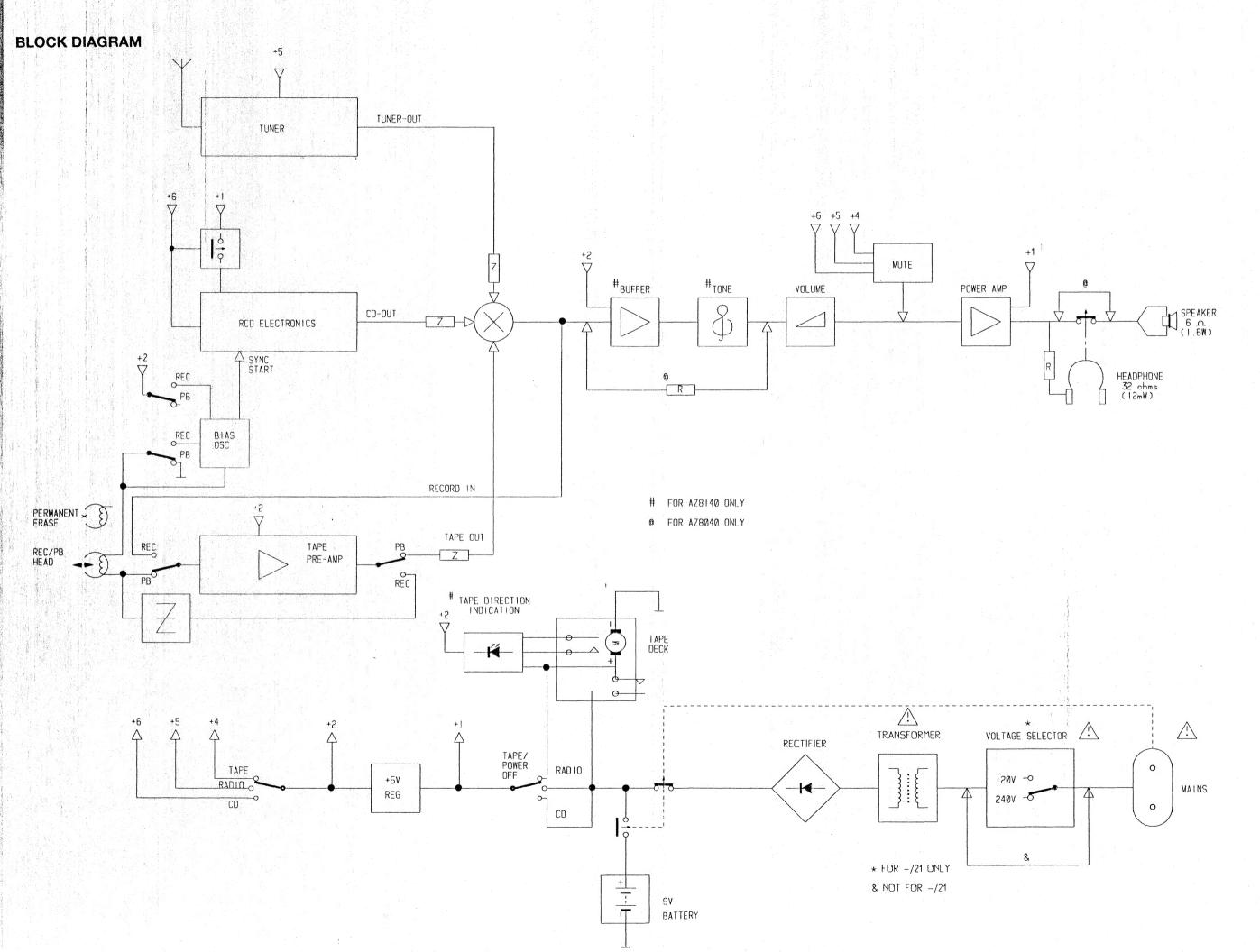
Volume Knob

6 Band Switch

ADJUSTMENT	CASSETTE	SK	TAPEDECK POSITION	MEASURE ON	READ ON	ADJUST WITH	ADJUST TO
Azimuth	10kHz SBC 420 *	Cass.	Play	*1	mv-meter	Left hand Screw R/PB Head	Max.
Motor Speed	3150Hz SBC420 *	Cass.	Play	* 1	Wow and Flutter Meter	Preset in motor	**a

- SBC 420: 4822 397 30071
- The maximum permissible speed deviation is 3%. Moreover, the wow and flutter value can be read. This value should not exceed 0.3%.
 - Connected across the speaker terminals

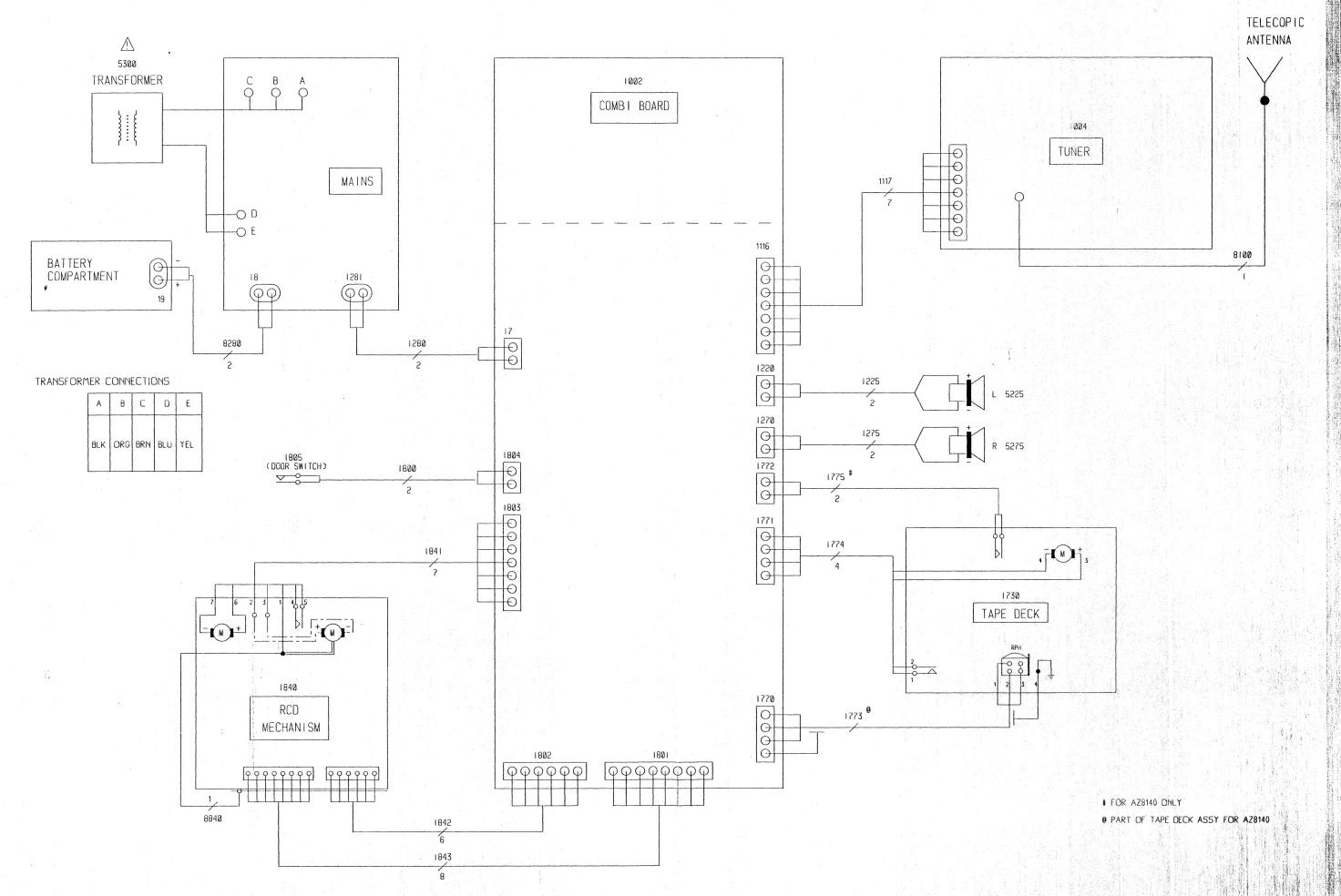


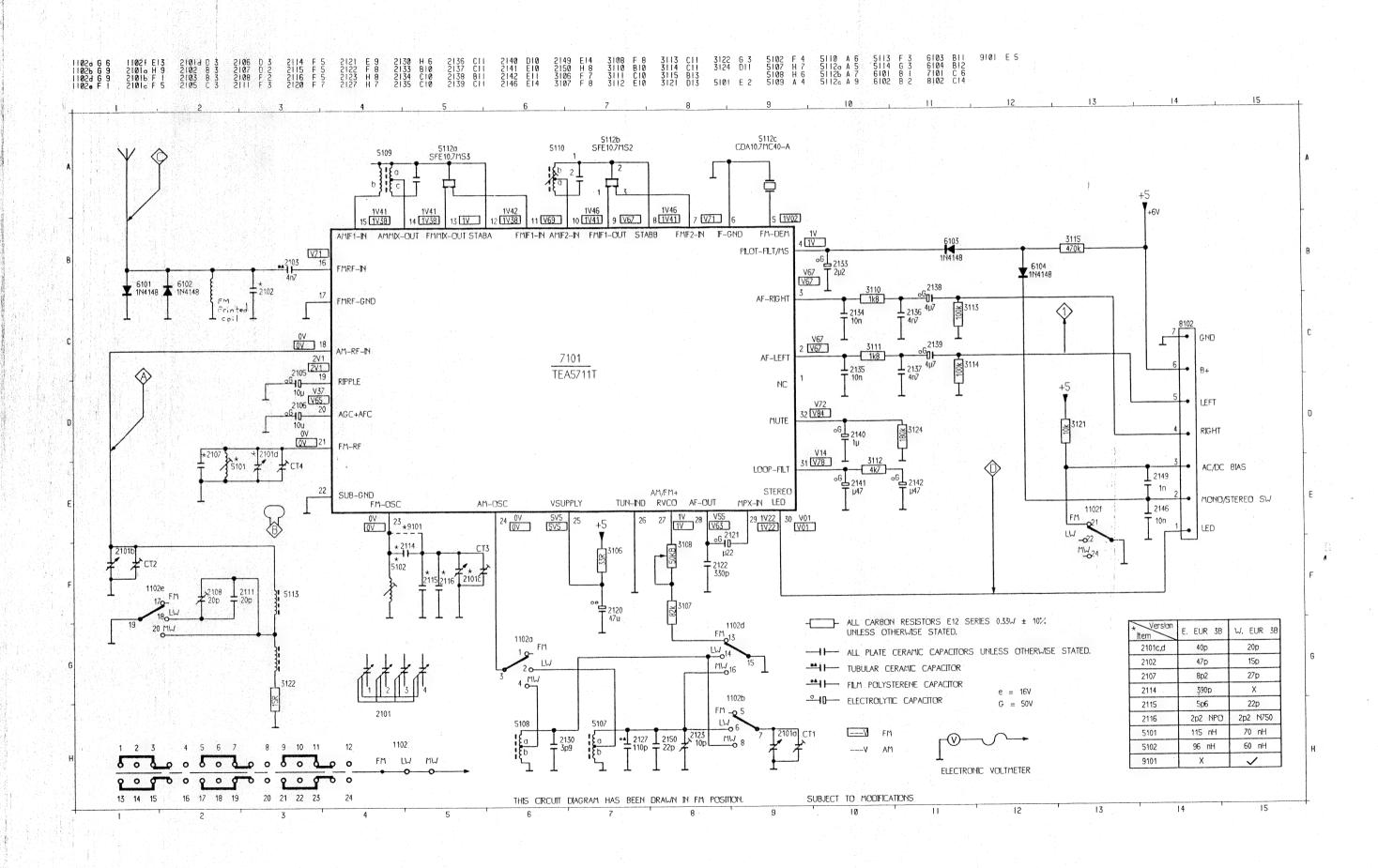


PCS 63 807

5a

WIRING DIAGRAM





ALIGNMENT

SK	FREQUENCY	I/P	VARICON	ADJUST	O/P	SCOPE/METER
AM - IF						
MW ★	468kHz via 10nF	A	min.	5110 5109	1	max.
AM - RF			en e			
MW * 520 - 1605kHz	512kHz 1635kHz 550kHz 1500kHz	В	max. min. Tune Tune	5108 C4 5113 C3		
LW * 148.5 - 283.5kHz	147kHz 291kHz 155kHz 270kHz	Ь	max. min. Tune Tune	5107 2123 5114 2108	1	max.
FM - RF						
	87.35MHz @ (64.7MHz)		max.	5102		
FM	108.25MHz @ (108.5MHz)	~	min.	C2		
87.5-108MHz (64.7-108.5MHz)	88MHz @ (68MHz)	С	Tune	5101	1	max.
	106MHz @		Tune	C1		1 ▼

STEREO DECODER

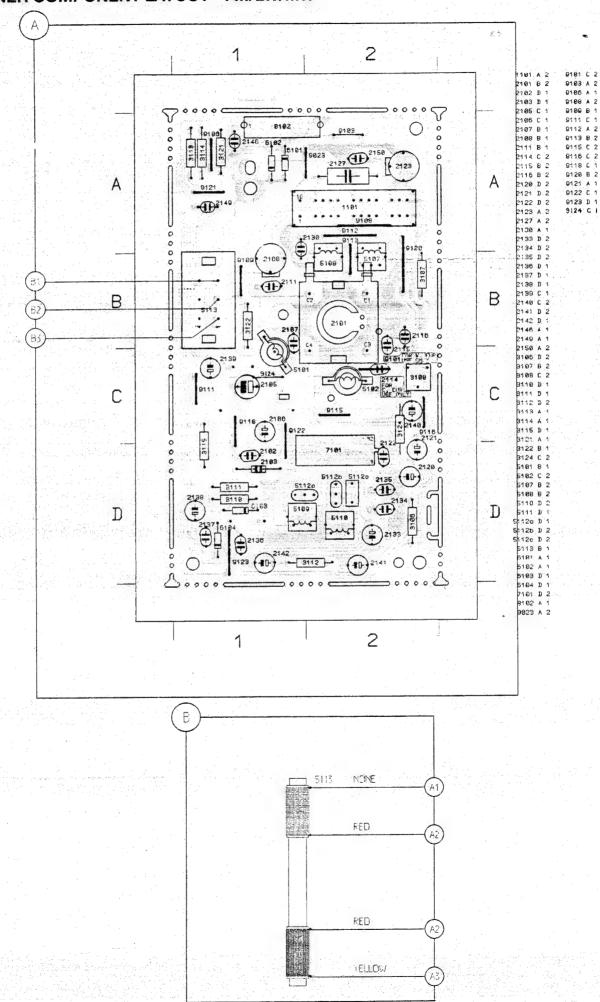
SK	FREQUENCY	I/P	VARICON	ADJUST	O/P	SCOPE/METER
FM STEREO	98MHz \$	С	Tune	3108	D	152±0.1kHz

* Mod. 400Hz 30% () For extended FM $@ \pm 0.15 \text{MHz}$

\$ Without Pilot

Repeat

TUNER COMPONENT LAYOUT - FM/LW/MW



ALIGNMENT

SK	FREQUENCY	I/P	VARICON	ADJUST	O/P	SCOPE/METER
AM - IF						
MW *	468kHz via 10nF	A	min.	5110 5109	1	max.
AM - RF						
MW * 530 - 1710kHz	512kHz 1635kHz 550kHz 1500kHz	В	max. min. Tune Tune	5108 C4 5113 C3	1	max.

	87.35MHz @		max.	5102	
FM	108.25MHz @		min.	C2	
87.5-108MHz	88MHz @	С	Tune	5101	max.
	106MHz @		Tune	C1	

^{*} Mod. 400Hz 30% @ ± 0.15MHz

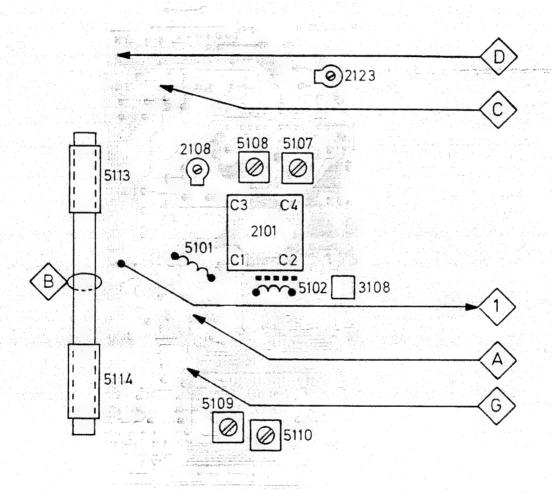
STEREO DECODER

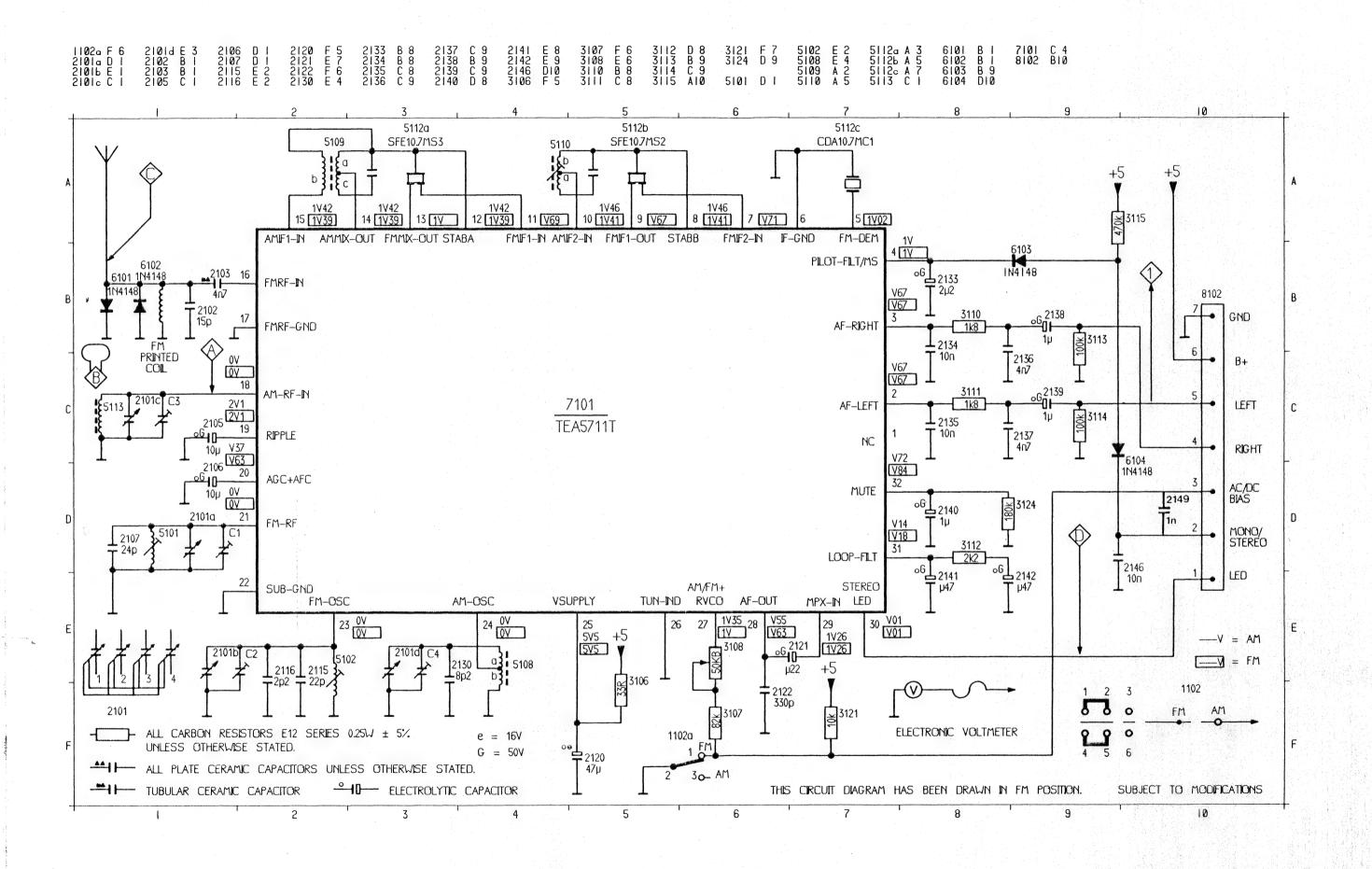
SK	FREQUENCY	I/P	VARICON	ADJUST	O/P	SCOPE/METER
FM STEREO	98MHz \$	С	Tune	3108	D .	152±0.1kHz

\$ Without Pilot

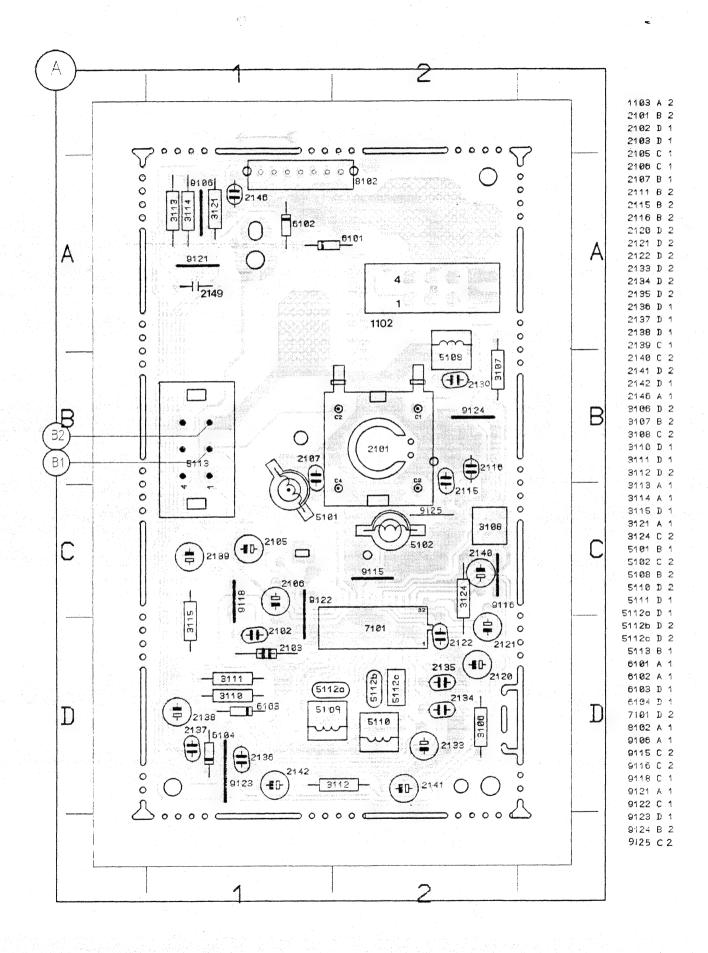
Repeat

PCS 63 880





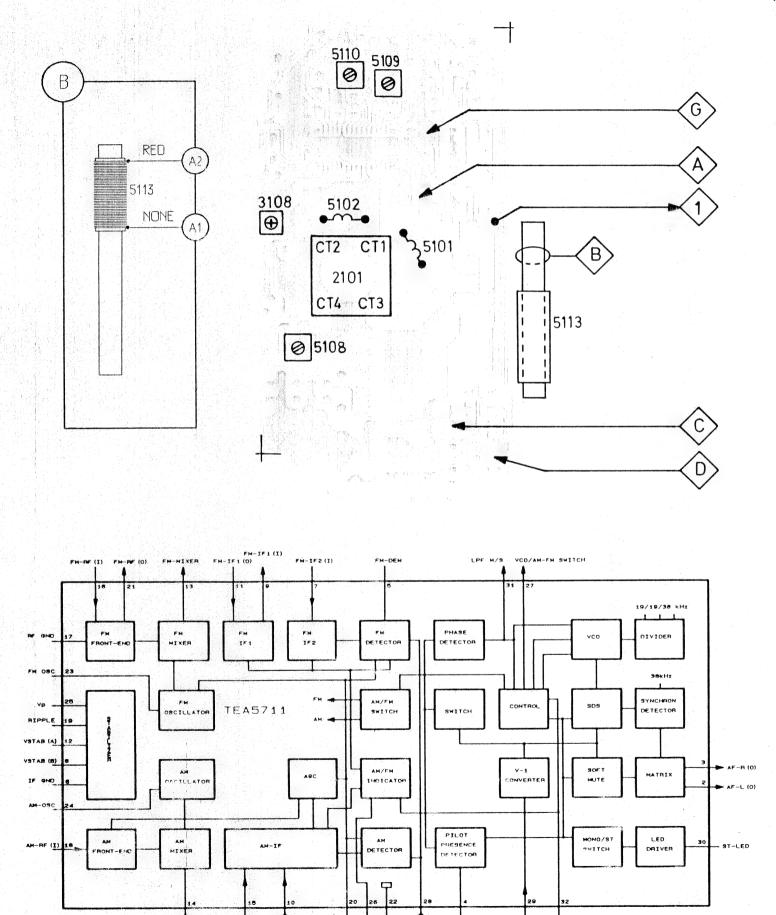
TUNER COMPONENT LAYOUT - FM/MW



IC SPECIFICATION

IC SPECIFICATION

TEA5711(T) - AM/FM Stero Radio Circuit



2106 C 1 2107 B 1 2111 B 2 2115 B 2

2116 B 2

2120 D 2

2121 D 2

2122 D 2

2133 D 2 2134 D 2

2135 D 2 2136 D 1 2137 D 1

2138 D 1

5108 B 2

5110 D 2 5111 D 1 5112a D 1

51126 D 2 5112c D 2

5113 B 1

8102 A 1

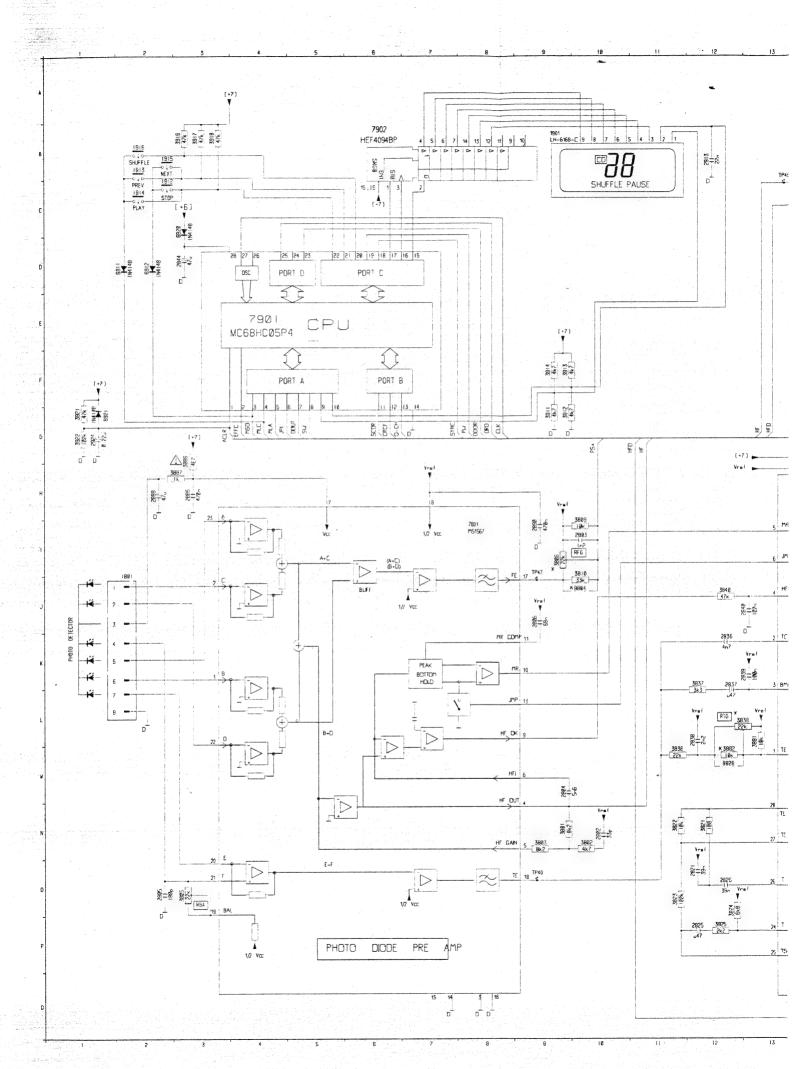
9106 A 1 9115 C 2 9116 C 2

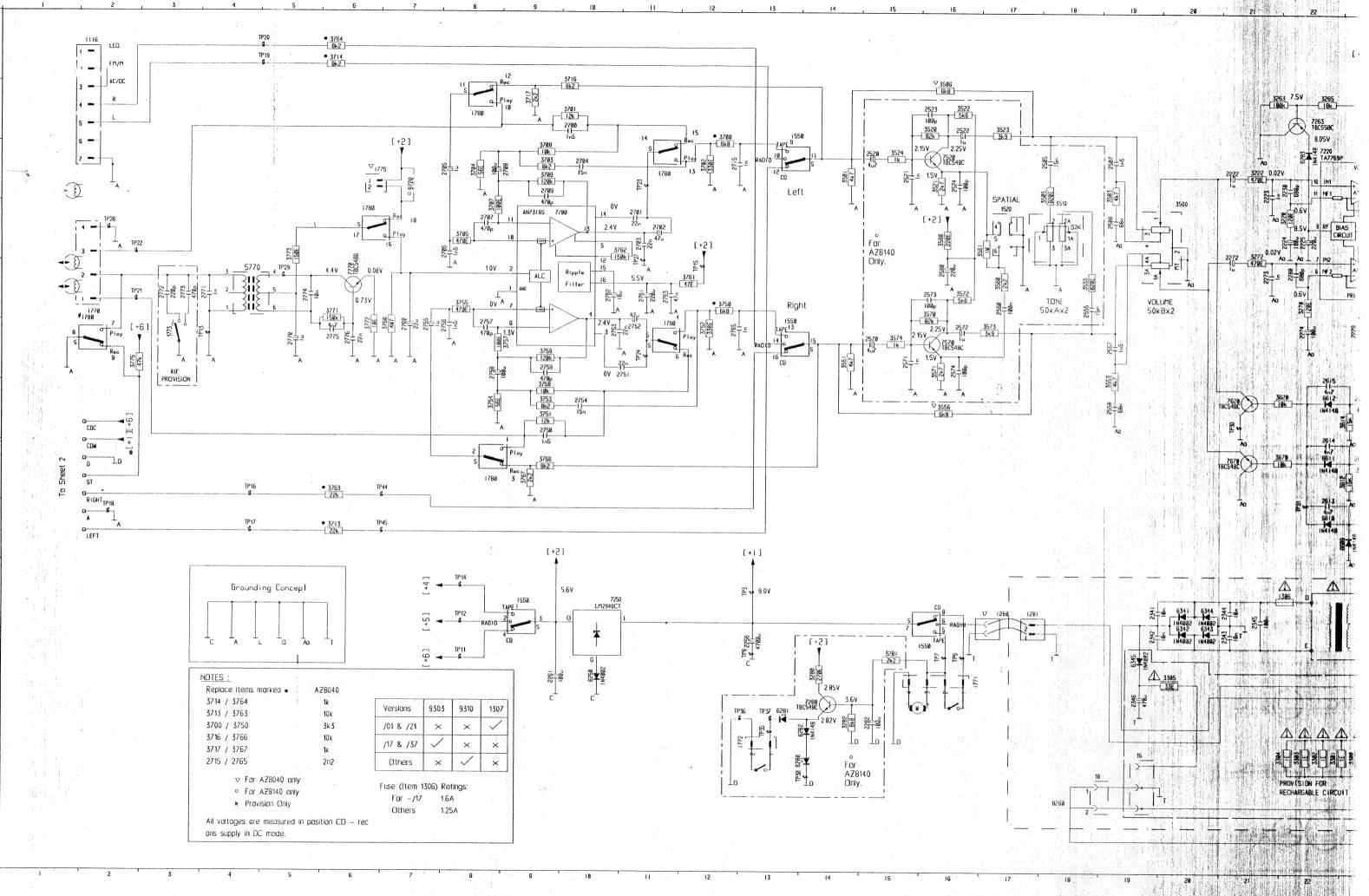
9118 C 1

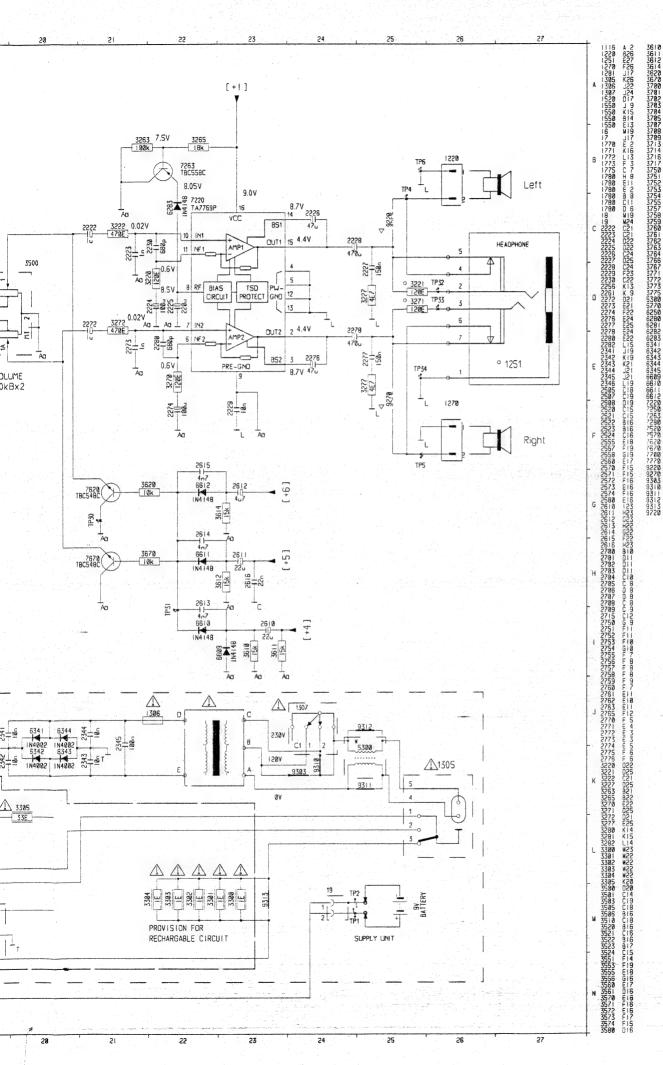
9121 A 1

9122 C 1 9123 D 1 9124 B 2 9125 C 2

SYMBOL	PIN	DESCRIPTION
NC	1	not connected
AF-Lo	2	left channel audio output (output imp. = 5kΩ)
AF-Ro	3	right channel audio output (output imp. = 5kΩ)
PILFIL	4	pilot detector filter pin
FM-DEM	5	ceramic discriminator pin
IFGND	6	ground of IF, detector and MPX stages
FM-IF2ı	7	second FM-IF input (input imp. = 330Ω)
VSTAB _B	8	stabilized internal supply voltage (B)
FM-IF1o	9	first FM-IF output (output imp. = 330Ω)
AM-IF2vo	10	input/output to IFT; output: current source
FM-IF1ı	11	first FM-IF input (input imp. = 330Ω)
VSTABA	12	stabilized internal supply voltage (A)
FM-MIXER	13	output to ceramic IF filter (output imp. = 330Ω)
AM-MIXER	14	open-collector output to IFT
AM-IF1	15	input from IFT or ceramic filter (input imp. = $3k\Omega$)
FM-RFi	16	FM-RF aerial input (input imp. = 3kΩ)
RFGND	17	FM-RF ground
AM-RFı	18	parallel tuned AM aerial circuit to ground (total input capacitance = 3pF)
RIPPLE	19	ripple capacitor pin
AM-AGC/FM-AFC	20	AGC/AFC capacitor pin
FM-RFo	21	parallel tuned FM-RFcircuit to ground
SUBGND	22	substrate and RF ground
FM-OSC	23	parallel tuned FM-OSC circuit to ground
AM-OSC	24	parallel tuned AM-OSC circuit to ground
Vp	25	positive supply voltage
IND	26	signal level output
VCO/AM-FM SWITCH	27	VCO and switch terminal : open for AM ; ground for FM
AFo	28	AM/FM AF output (output imp. = $5k\Omega$)
MPXi	29	input for stereo decoder (input imp. = 150kΩ)
ST - LED	30	stereo indicator
LPF M/S	31	pin for loopfilter and mono/stereo switch
MUTE	32	mute pin





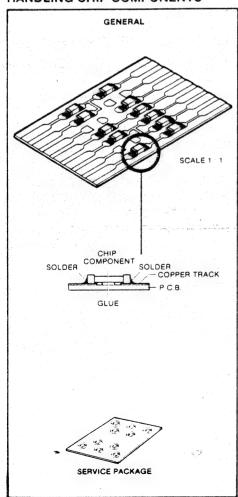


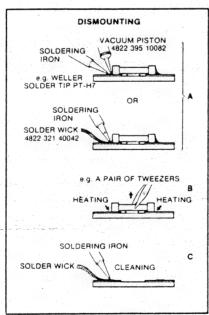
CD ALIGNMENT

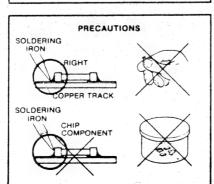
ADJUSTMENT TABLE (RCD1.2D)

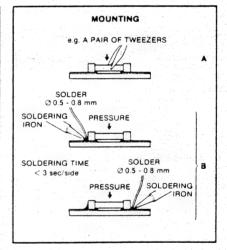
\Diamond						
The APC (Automatic Power Control) for the laser diode is located on the disc drive and has been adjusted in the production line. Therefore for service purpose it is not intended to adjust the laser current.						
TP40 & TP41	3805	Adjust to OV DC offset				
	ted in the produ to adjust the las	ted in the production line. There to adjust the laser current.				

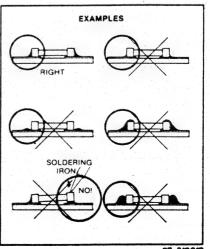
HANDLING CHIP COMPONENTS



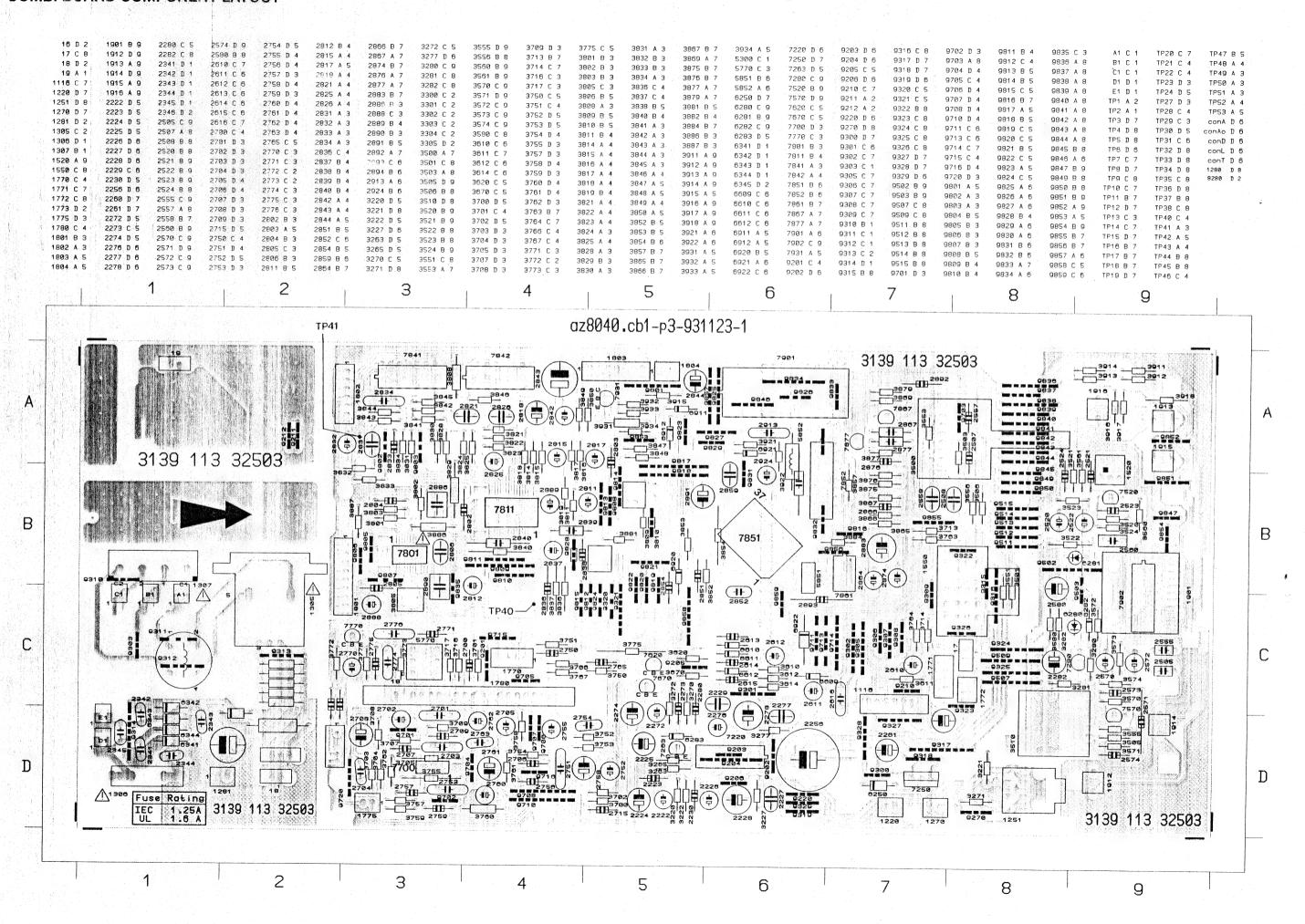






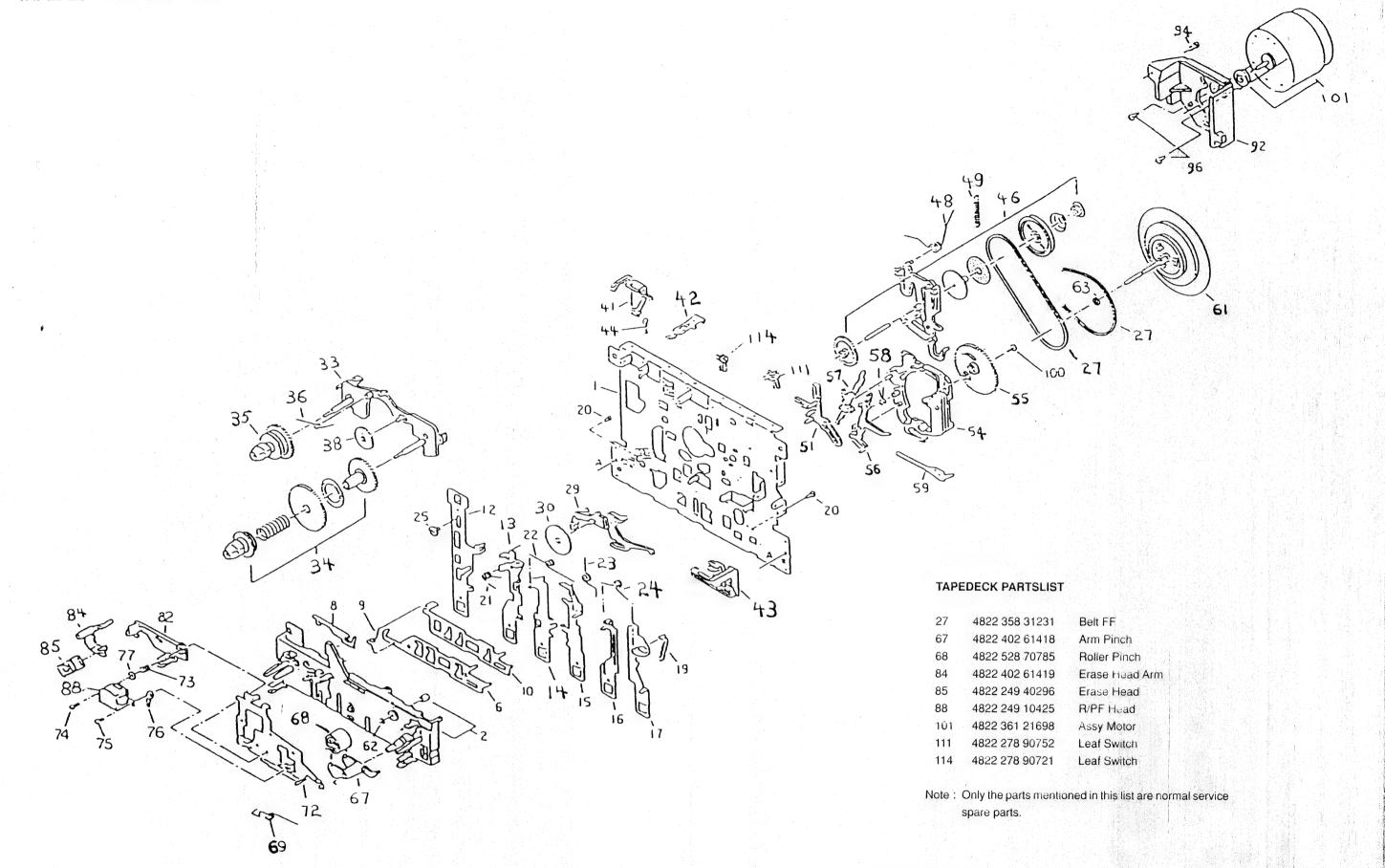


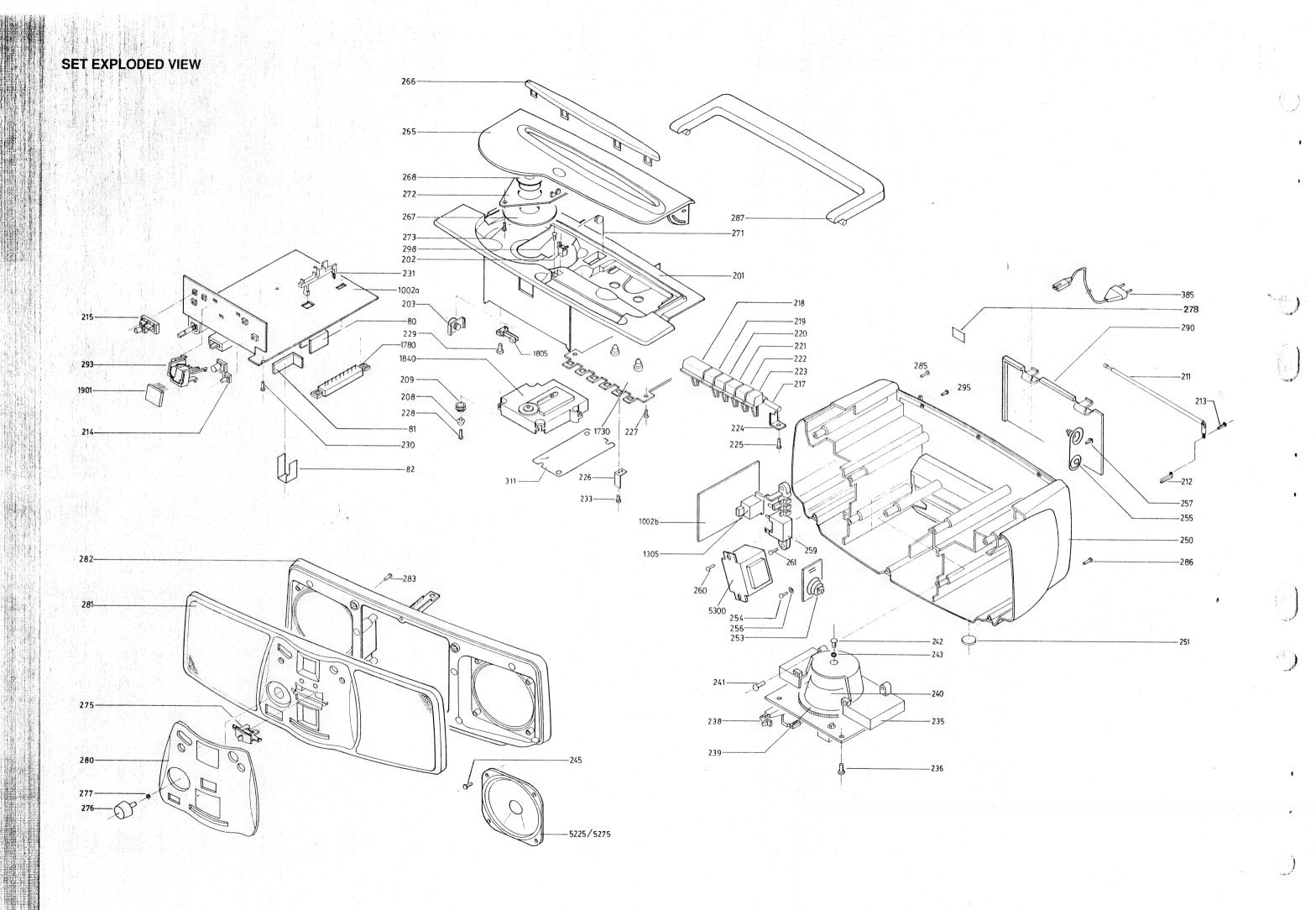
COMBI BOARD COMPONENT LAYOUT



13a

13b





SET MECHANICAL PARTSLIST

202	4822 276 13079	Latch Switch
203	4822 529 10257	Damper Assy
208	4822 532 61104	Distance-Holder
209	4822 532 61103	Damper
211	4822 303 30298	Telescopic Aerial
214	4822 410 63014	Button Set CD 1
215	4822 410 63015	Button Set CD 2
218	4822 410 63016	Button Record
219	4822 410 63022	Button Play
220	4822 410 63017	Button REW
221	4822 410 63018	Button FWD
222	4822 410 63019	Button Stop
223	4822 410 63021	Button Pause
231	4822 403 30809	Bracket Record
238	4822 411 61955	Knob Band
240	4822 454 12921	Sticker Dialscale /00/05/20
240	4822 454 12928	Sticker Dialscale /37
240	4822 333 30228	Sticker Dialscale /21/41
250	4822 423 41252	Cabinet Rear
251	4822 462 40683	Plate (foot)
253	4822 492 52299	Spring-Battery
255	4822 492 51733	Spring Compression
259	4822 404 10881	Bracket Power
265	4822 443 64079	Door CD/Cass Assy
266	4822 450 62179	Lens Cass/CD
267	4822 535 60096	Disc
268	4822 532 51871	Pressure Ring Assy
271	4822 492 71463	Spring CD
275	4822 411 61956	Knob Mode
276	4822 413 51466	Knob Volume
277	4822 492 51374	Ring
278	4822 454 12932	Plate Voltage /21/41
280	4822 423 51163	Panel Front
280 *	4822 423 51167	Panel Front /21/41
280 *	4822 423 51169	Panel Front /37
281	4822 464 70628	Frame Loudspeaker
281	4822 464 70634	Frame Loudspeaker /21/41/37
287	4822 498 10505	Handle
290	4822 423 41251	Door Battery
293	4822 404 10882	Bracket LCD
385	4822 321 10831 △	Mains Cord
385	4822 321 10918 △	Main Cord /05
385	4822 321 10883 △	Main Cord /37
	4822 736 21933	IFU
	4822 736 21967	IFU /21/41
	4822 736 22002	IFU /37

Note: Only the parts mentioned in this list are normal service spare parts.

LIST OF SCREWS

213	PLASTITE TORX SCR ST ZN 3 X12
225	PLASTITE TORX SCR ST ZN 3 X16
227	PLASTITE TORX SCR ST ZN 3 X12
228	PLASTITE TORX SCR ST ZN 2 X16
229	PLASTITE TORX SCR ST ZN 2 X10
230	PLASTITE TORX SCR ST ZN 3 X12
236	PLASTITE TORX SCR ST ZN 3 X12
241	PLASTITE TORX SCR ST ZN 3 X16
242	TRUSS SCR M2.6X6X0.45P
243	LOCK WASH D2.8
245	PLAST TORX SCR ST ZN WASH 3X12
254	PLAST TORX SCR ST ZN WASH 3X12
257	PLAST TORX SCR ST ZN WASH 3X12
260	PLAST TORX SCR ST ZN WASH 3X16
261	PLAST TORX SCR ST ZN WASH 3X16
273	PLASTITE TORX SCR ST ZN 3 X12
283	PLASTITE TORX SCR ST ZN 3 X12
285	PLASTITE TORX SCR ST ZN 3 X25
286	PLASTITE TORX SCR ST ZN 3 X16
295	PLASTITE TORX SCR ST ZN 3 X16
298	PLASTITE TORX SCR ST ZN 3 X16

TUNER BOARD - FM/LW/MW **MISCELLANEOUS** 1102 4822 277 21626 Switch Slide 6P3T -II-2101 4822 125 30027 Polyvaricon 2102 4822 126 12675 15pF 50V 5% 2103 4822 122 32764 4n7 20% 2105 4822 124 80678 10μF 50V 20% 2106 4822 124 80678 10μF 50V 20% 2107 4822 126 12304 27pF 50V 5% 2108 4822 125 50045 Trimmer 1P8-22P 2111 4822 126 12414 20pF 5% 2115 4822 122 32147 22pF 50V 5% 2116 4822 126 12809 2.2pF 50V 0.5% 2120 4822 124 40433 47μF 16V 20% 2121 4822 124 40746 0.22µF 63V 20% 2122 4822 126 12671 330pF 50V 10% 2123 4822 125 50062 Trimmer 1.4p-10pF 250V 2127 5322 121 54058 110pF 630V 1% 2130 4822 126 12337 3.9pF 50V 5% 2133 4822 124 22467 2.2µF 50V 20% 2134 4822 124 80141 10nF 50V 10% 2135 4822 124 80141 10nF 50V 10% 2136 4822 126 12672 4.7nF 50V 10% 2137 4822 126 12672 4.7nF 50V 10% 4.7μF 63V 20% 2138 4822 124 40246 2139 4822 124 40246 4.7µF 63V 20% 2140 4822 124 40242 1μF 63V 20% 2141 4822 124 40239 0.47μF 50V 20% 2142 4822 124 40239 0.47µF 50V 20% 2146 4822 124 80141 10nF 50V 10% 2149 4822 126 11183 1nF 50V 10% 2150 4822 126 13093 22pF 50V 5% -[----3106 4822 050 13309 33Ω 5% 3107 4822 050 18203 82K 5% 3108 4822 101 11259 Trimmer 50k 3110 4822 050 11802 1k8 5% 3111 4822 050 11802 1k8 5% 3112 4822 050 14702 4k7 5% 3113 4822 050 11004 100K 5% 3114 4822 050 11004 100K 5% 3115 4822 050 14704 470K 5% 3121 4822 050 11003 10K 5%

3122 4822 116 52182

3124 4822 116 52252

 15Ω 5%

180K 5%

	- I [] I	
5101	4822 157 70513	Coil FM
5102	4822 156 30947	RF Coil 1.5 T
5107	4822 157 70144	Coil-M/O 270μH Green
5108	4822 157 70107	Coil-M/O 270µH Red
5109	4822 157 70499	IFT-AM 7MM WHT
5110	4822 156 11146	IFT-AM 7MM BLK
5112	4822 242 81154	Filter Kit 10.7MHz
5113	4822 158 60627	Bar-Coil Assy MW/LW
		**
	→	
6101	4822 130 30621	1N4148
6102	4822 130 30621	1N4148
6103	4822 130 30621	1N4148
6104	4822 130 30621	1N4148
7101	4822 209 32746	TEA5711T/N2

Note: Only the parts mentioned in this list are normal service spare parts.

16a

^{*} See Annex on Tuner Board Rework.

MISCELLANEOUS

1102 4822 277 21587 SW-Slide 2P2T

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2101	4822 125 30027	Polyvaricon
2102	4822 126 12675	15pF 50V 5%
2103	4822 122 32764	4n7 20%
2105	4822 124 80678	10μF 50V 20%
2106	4822 124 80678	10μF 50V 20%
2107	4822 126 12814	24pF 5%
2115	4822 122 32147	22pF 50V 5%
2116	4822 126 12809	2.2pF 50V 0.5%
2120	4822 124 40433	47μF 16V 20%
2121	4822 124 40746	0.22μF 63V 20%
2122	4822 126 1 2671	330pF 50V 10%
2130	4822 126 12229	8.2pF 50V 0.25%
2133	4822 124 22467	2.2µF 50V 20%
2134	4822 124 80141	10nF 50V 10%
2135	4822 124 80141	10nF 50V 10%
2136	4822 126 12672	4.7nF 50V 10%
2137	4822 126 12672	4.7nF 50V 10%
2138	4822 124 41398	1μF 63V 20%
2139	4822 124 41398	1μF 63V 20%
2140	4822 124 40242	1μF 50V 20%
2141	4822 124 40239	0.47μF 50V 20%
2142	4822 124 40239	0.47μF 50V 20%
2146	4822 124 80141	10nF 50V 10%
2149	4822 126 11183	1nF 50V 10%

3106	4822 050 13309	33Ω 5%	
3107	4822 050 18203	82k 5%	
3108	4822 101 11259	Trimmer 50k	
3110	4822 050 11802	1k8 5%	
3111	4822 050 11802	1k8 5%	
3112	4822 116 52256	2k2 5%	
3113	4822 050 11004	100K 5%	
3114	4822 050 11004	100K 5%	
3115	4822 050 14704	470K 5%	
3121	4822 050 11003	10K 5%	
3124	4822 116 52252	180K 5%	

-III-----

5101	4822 157 70513	Coil FM
5102	4822 156 30947	RF Coil 1.5 T
5108	4822 157 70107	Coil-M/O 270µH RED
5109	4822 157 70499	IFT-AM 7MM WHT

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5110	4822 156 11146	IFT-AM 7	MM BLK
5112	4822 242 81535	Cerkit filte	er 10.7MHz
5113	4822 158 60621	Bar Coil A	Assy MW 10:60
	→ -		
6101	4822 130 30621	1N4148	
6102	4822 130 30621	1N4148	
6103	4822 130 30621	1N4148	
6104	4822 130 30621	1N4148	
		:	
	-		
7101	4822 209 32746	TEA5711	T/N2

Note: Only the parts mentioned in this list are normal service spare parts.

COMBI BOARD

	MISCELLANEOUS	
1305	4822 265 20287 △	Mains Socket
1305	4822 265 30986 △	Mains Socket /17/37
1306	4822 070 31252 △	Fuse T1.25A 250V
1306	5322 253 30203 △	Fuse T1.6A 250V /17/37
1307	4822 272 10366 🛆	Voltage Selector /21/41
1550	4822 277 30689	Slide Switch
1780	4822 277 20594	Slide Switch
1901	4822 130 91311	LCD LH6168-C
1912	4822 276 13114	Push Switch
1913	4822 276 13114	Push Switch
1914	4822 276 13114	Push Switch
1915	4822 276 13114	Push Switch
1916	4822 276 13114	Push Switch
1		

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	-11	
2222	4822 124 40242	1μF 20% 63V
2223	4822 122 33197	1nF 10% 50V
2224	4822 124 41643	100μF 20% 16V
2225	4822 124 40196	220µF 20% 16V
2226	4822 124 40433	47μF 20% 25V
2227	4822 121 41854	150nF 5% 63V
2228	4822 124 41997	470μF 10V
2229	4822 122 33307	10nF 5% 50V
2230	4822 122 33169	680pF 10% 50V
2256	4822 124 42119	4700μF 20% 25V
2261	4822 124 41643	100µF 20% 16V
2272	4822 124 40242	1μF 20% 63V
2273	4822 122 33197	1nF 10% 50V
2274	4822 124 41643	100μF 20% 16V
2276	4822 124 40433	47μF 20% 25V
2277	4822 121 41854	150nF 5% 63V
2278	4822 124 41997	470μF 10V
2280	4822 122 33169	680pF 10% 50V
2282	4822 124 41643	100μF 20% 16V
2341	4822 122 33307	10nF 5% 50V
2342	4822 122 33307	10nF 5% 50V
2343	4822 122 33307	10nF 5% 50V
2344	4822 122 33307	10nF 5% 50V
2345	4822 121 51379	100nF 5%
2507	4822 126 12878	1.5nF 10% 16V
2508	5322 121 42465	68nF 5% 63V
	4822 126 12878	1.5nF 10% 16V
2558	5322 121 42465	68nF 5% 63V
2610	100	22μF 20% 35V
	5322 124 41431	22μF 20% 35V
	4822 124 40246	4.7μF 20% 63V
	4822 126 11714	4.7nF 20%
	4822 126 11714	4.7nF 20%
1	4822 126 11714	
2616	4822 126 12147	22nF 10% 25V
L		

	-11-	
2700	4822 126 12878	1.5nF 10% 16V
	4822 126 12147	22nF 10% 25V
	4822 124 40433	47μF 20% 25V
	4822 126 12147	22nF 10% 25V
2704		15nF 10% 50V
2704		1µF 20% 63V
2705	4822 124 40242	1.5nF 10% 16V
2700	4822 122 33519	470pF 10% 50V
2707	4822 124 41643	100μF 20% 16V
2708	4822 122 33519	470pF 10% 50V
	4822 126 12339	2.2nF 10% 30V
2750		2.2HF 10% 1.5nF 10% 16V
		22nF 10% 25V
2751		47μF 20% 25V
	4822 124 40433	
2753		22nF 10% 25V
2754		15nF 10% 50V
2755		1μF 20% 63V
2756		1.5nF 10% 16V
2757		470pF 10% 50V
2758		100μF 20% 16V
2759		470pF 10% 50V
2760	5322 124 41431	22μF 20% 35V
2761	4822 124 40196	220μF 20% 16V
2762		10μF 20% 63V
2763		47nF 5% 250V
2765	4822 126 12339	2.2nF 10%
2770		1μF 20% 63V
2771		1nF 10% 50V
2774		10nF 10% 50V
2775		4.7nF 20%
2776	4822 126 12147	22nF 10% 25V
2802	4822 122 33069	33pF 5% 50V
2803	4822 122 10574	1.2nF 10% 16V
2804	4822 126 13098	5.6nF 20% 16V
2805	4822 126 10053	180pF 10%
2806	5322 121 42465	68nF 5% 63V
2811		10μF 20% 63V
2812	4822 124 40246	4.7μF 20% 63V
2815	4822 124 40239	0.47μF 20% 63V
2817	4822 124 40239	0.47μF 20% 63V
2818	4822 124 41643	100μF 20% 16V
2821	4822 121 51256	39nF 10% 50V
2825	4822 124 40239	0.47μF 20% 63V
2826	4822 121 51256	39nF 10% 50V
2831	5322 121 42465	68nF 5% 63V
2832	4822 124 40242	1μF 20% 63V
2833	4822 126 11714	4.7nF 20%
2834	4822 126 12147	22nF 10% 25V
2836	4822 126 11714	4.7nF 20%
2837	4822 124 40239	0.47μF 20% 63V
2838	4822 126 12339	2.2nF 10%
2839	4822 126 12882	100nF +80-20% 50V
4		

COMBI BOARD

COmmon	BOARD	
	-IF	
2840	4822 126 12882	100nF +80-20% 50V
2842	4822 124 40244	2.2µF 20% 63V
2843	4822 124 23794	470μF 20% 16V
2844	4822 124 40433	47μF 20% 25V
2851	4822 122 10459	560pF 10% 50V
2852	4822 121 43396	120nF 5% 63V
2854	4822 126 12878	1.5nF 10% 16V
2859	4822 121 42408	220nF 5% 63V
2864	4822 124 40242	1µF 20% 63V
2866	4822 126 12148	2.7nF 10%
2867	4822 126 10003	33nF 30% 50V
2874	4822 124 40242	1μF 20% 63V
2876	4822 126 12148	2.7nF 10%
2877	4822 126 10003	33nF 30% 50V
2883	4822 124 41997	470µF 10V
	4822 121 51252	
2888	4822 124 40433	the state of the s
2889	4822 124 40433	47μF 20% 25V
2890	4822 121 51252	470nF 5% 63V
2891	4822 124 40196	220μF 20% 16V
	4822 122 33197	
2893	4822 121 51387	10nF 20% 16V
	4822 126 12147	[2] : [10] : [2]
2924	4822 124 40746	0.22μF 20% 63V
MA 12		근데 (그래 - 12 로마리) 되고 20대를
	- _ -	
	4822 116 52206	
3222	4822 116 52206 4822 116 52224	470Ω 5% 0.5W
3222 3227	4822 116 52206 4822 116 52224 4822 050 24708	470Ω 5% 0.5W 4Ω7 1% 0.6W
3222 3227 3263	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W
3222 3227 3263 3265	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W
3222 3227 3263 3265 3270	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W
3222 3227 3263 3265 3270 3272	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W
3222 3227 3263 3265 3270 3272 3277	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W
3222 3227 3263 3265 3270 3272 3277 3500	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2
3222 3227 3263 3265 3270 3272 3277 3500 3501	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283 4822 116 52283	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 6k8 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 6k8 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 6k8 5% 0.5W 4k7 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553 3556	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553 3556 3610	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553 3556 3610 3611	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 15k 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553 3556 3610 3611	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52284 4822 116 52244	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553 3556 3610 3611 3612 3614	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52284 4822 116 52244	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553 3556 3610 3611 3612 3614 3620	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52284 4822 116 52244 4822 116 52244 4822 116 52244	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553 3556 3610 3611 3612 3614 3620 3670	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52244 4822 116 52244 4822 116 52244 4822 116 52244 4822 116 52244 4822 116 52244	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553 3556 3610 3611 3612 3614 3620 3670 3700	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52231 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52244 4822 116 52244	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 15k 5% 0.5W 10k 5% 0.5W
3222 3227 3263 3265 3270 3272 3277 3500 3501 3503 3506 3551 3553 3556 3610 3611 3612 3614 3620 3670 3700 3701	4822 116 52206 4822 116 52224 4822 050 24708 4822 116 52234 4822 116 52251 4822 116 52206 4822 116 52224 4822 050 24708 4822 102 10417 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52283 4822 116 52244 4822 116 52244 4822 116 52244 4822 116 52244 4822 116 52244 4822 116 52233 4822 116 52233 4822 116 52233 4822 116 52233	470Ω 5% 0.5W 4Ω7 1% 0.6W 100k 5% 0.5W 18k 5% 0.5W 120Ω 5% 0.5W 470Ω 5% 0.5W 4Ω7 1% 0.6W Potm 50kB x 2 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 4k7 5% 0.5W 15k 5% 0.5W 10k 5% 0.5W

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	3703	4822 116 52303	8k2 5% 0.5W	
	3704	4822 116 52197	56Ω 5% $0.5W$	
	3705	4822 116 52224	470Ω 5% 0.5W	
	3707	4822 116 52175	100Ω 5% $0.5W$	
-	3708	4822 116 52233	10k 5% 0.5W	
	3709	4822 116 52239	120k 5% 0.5W	
	3713	4822 116 52233	10k 5% 0.5W	
	3714	4822 050 11002	1k 1% 0.4W	
		4822 116 52233		
	3717	4822 050 11002		
	11.0	4822 116 52269	,	
		4822 116 52238	and the state of t	
			330Ω 5% 0.5W	
		4822 116 52303		
		4822 116 52197		
			470Ω 5% 0.5W	
	1.		100Ω 5% 0.5W	
		4822 116 52233		
		4822 116 52239		
dame.		4822 111 30893		
	A such a	4822 116 52195		
	3762			
	3763	4822 116 52233		
	tar is	4822 116 52303		
		4822 116 52233		
		4822 050 11002	1k 1% 0.4W 150k 5% 0.5W	
		4822 116 52176		
			120Ω 5% 0.5W	
		4822 116 52284		
-		4822 116 52303		
		4822 116 52283		
	3803	4822 116 52303	8k2 5% 0.5W	
	3805	4822 100 11213	22k 30%lin 0.1W	
	3808	4822 116 81223		
	3809	4822 116 52233	10k 5% 0.5W	
	3810	4822 116 52271	33k 5% 0.5W	
	3811	4822 116 52284	47k 5% 0.5W	
	3814	4822 116 52252	180k 5% 0.5W	
	3815	4822 116 52276	3k9 5% 0.5W	
	3816	4822 116 52256	2k2 5% 0.5W	
	3817	4822 116 52197	56Ω 5% $0.5W$	
į	3818	4822 050 11002	1k 1% 0.4W	
-	3819	4822 116 52292	560k 5% 0.5W	
		4822 116 52175		
		4822 116 52233		
-			100k 5% 0.5W	
		4822 116 52296		
		4822 116 52256		
	15	4822 116 52249		
			2M2 5% 0.5W	
	3830	4822 116 52238	12k 5% 0.5W	
ı		4		

3831	4822 116 52304	82k 5% 0.5W
	4822 116 52244	
	4822 116 52257	
	the first of the state of the s	100k 5% 0.5W
	4822 116 52257	
	4822 116 52269	
	4822 116 52284	
	4822 116 52233	
	4822 116 52222	
	4822 116 52233	
	4822 116 52231	
	4822 116 52233	
	4822 116 52224	
	4822 116 52257	
	4822 116 52257	
		470Ω 5% 0.5W
	4822 116 52224 4822 116 52224	
	4822 116 52224	
	4822 116 52271	
	4822 116 52277 4822 116 52256	
		47k 5% 0.5W
		A STATE OF THE STA
	4822 050 11002	
	4822 116 52224	
		10k 5% 0.5W
	4822 116 52284	1k 1% 0.4W
	4822 050 11002 4822 116 52224	
	4822 116 52233	
	4822 116 52233	
	4822 116 52175	
	4822 052 10478 ∆	
	4822 050 11002 4822 116 52283	
	4822 116 52283 4822 116 52283	
	4822 116 52283	
	4822 116 52269	
	4822 116 52284 4822 116 52284	
	4822 116 52284	
		47k 5% 0.5W
	4822 116 52284 4822 116 52234	
	4822 050 24708 4822 116 52207	
	4822 116 52207 4822 116 52249	
3934	4822 116 52231	02012 0 /0 0.000

	→ I-	
6250	5322 130 30684	1N4002
6283	4822 130 30621	1N4148
6341	5322 130 30684	1N4002
6342	5322 130 30684	1N4002
6343	5322 130 30684	1N4002
6344	5322 130 30684	1N4002
6609	4822 130 30621	1N4148
6610	4822 130 30621	1N4148
6611	4822 130 30621	1N4148
6612	4822 130 30621	1N4148
6911	4822 130 30621	1N4148
6912	4822 130 30621	1N4148
6920	4822 130 30621	1N4148
6921	4822 130 30621	1N4148
6922	5322 130 30684	1N4002
1		
7220	4822 209 70372	TA7769P
7250	4822 209 12335	L4941
7263	5322 130 60068	TBC558C
7620	4822 130 44196	TBC548C
7670	4822 130 44196	TBC548C
7700	4822 209 32918	AN7318S
7770	4822 130 40937	TBC548B *
7770	4822 209 72814	M51567P
7801	1000 000 70015	M51564P
4	4822 209 72815	10010011
7801	4822 209 72815	TDA7073A/N2
7801 7811		
7801 7811 7841	4822 209 32852	TDA7073A/N2
7801 7811 7841 7842	4822 209 32852 4822 209 32852	TDA7073A/N2 TDA7073A/N2
7801 7811 7841 7842 7851	4822 209 32852 4822 209 32852 4822 209 62371	TDA7073A/N2 TDA7073A/N2 M50427AFP
7801 7811 7841 7842 7851 7852	4822 209 32852 4822 209 32852 4822 209 62371 4822 209 70422 4822 209 32421	TDA7073A/N2 TDA7073A/N2 M50427AFP MN4264-15
7801 7811 7841 7842 7851 7852 7861 7867	4822 209 32852 4822 209 32852 4822 209 62371 4822 209 70422 4822 209 32421	TDA7073A/N2 TDA7073A/N2 M50427AFP MN4264-15 TDA1311A/N2
7801 7811 7841 7842 7851 7852 7861 7867 7877	4822 209 32852 4822 209 32852 4822 209 62371 4822 209 70422 4822 209 32421 4822 130 44196	TDA7073A/N2 TDA7073A/N2 M50427AFP MN4264-15 TDA1311A/N2 TBC548C
7801 7811 7841 7842 7851 7852 7861 7867 7877	4822 209 32852 4822 209 32852 4822 209 62371 4822 209 70422 4822 209 32421 4822 130 44196 4822 130 44196	TDA7073A/N2 TDA7073A/N2 M50427AFP MN4264-15 TDA1311A/N2 TBC548C TBC548C

-III------

5851 4822 242 73557

CST8.46MTW-TF01

5770 4822 156 20946 Osc Coil 100kHz

MISCELLANEOUS

1730	4822 691 20904	Tape Deck YS37Z
1805	4822 276 12163	Leaf-SW LSA-1119G
1840	4822 691 20768	RCD-1.2D Drive Assy
5225	4822 240 30689	Loudspeaker 6Ω 2W
5275	4822 240 30689	Loudspeaker 6Ω 2W

5300 4822 146 31319 △ Transformer

Note: Only the parts mentioned in this list are normal service spare parts.



(F) ATTENTION

Tous les IC et beaucoup d'autres

décharges statiques (ESD).

prise à leur manipulation.

sécurité.

potentiel.

semi-conducteurs sont sensibles aux

Leur longévité pourrait être considérablement

écourtée par le fait qu'aucune précaution n'est

Lors de réparations, s'assurer de bien être relié

au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de

Veiller à ce que les composants ainsi que les

outils que l'on utilise soient également à ce

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD) Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

ESD



D WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).

Unsorgfältige Behandlung im Reparaturfall kan die Lebensdauer drastisch reduzieren. Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes.

Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten

(NL) WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD).

Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen. Zorg ervoor dat u tijdens reparatie via een poisband met weerstand verbonden bent met heizelfde potentiaal als de massa van het apparaat.

Houd componenten en hulpmiddelen ook op ditzelide potentiaal.

(I) AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD). La loro longevità potrebbe essere fortemente ridatta in caso di non osservazione della più grande cauzione alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.

Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

"Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne".



Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified,



Veiligheidsbepalingen vereisen, dat het apparaat bij reparatie in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.



Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les piéces de rechange identiques à celles spécifiées.

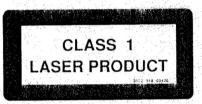


Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Original zustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.



Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.

"After servicing and before returning set to customer perform a leakage current measurement test from all exposed metal parts to earth ground to assure no shock hazard exist. The leakage current must not exceed 0.5mA."

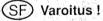


(GB) Warning!

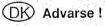
Invisible laser radiation when open. Avoid direct exposure to beam.



Osynlig laserstrålning när apparaten är öppnad och spärren är urkopplad. Betrakta ej strålen.



Avatussa laitteessa ja suojalukituksen ohitettaessa olet alttiina näkymättömälle laserisäteilylle. Älä katso säteeseen



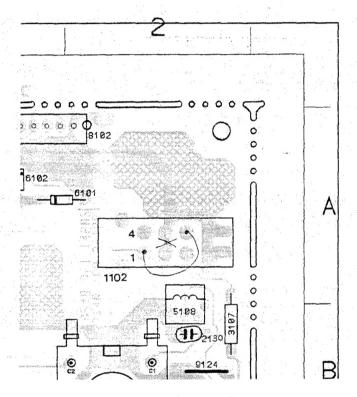
Usynlig laserstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsaettelse for stråling.

TUNER BOARD REWORK

For Sets with 2 band (FM/AM) Tuner only

Due to wrong printing of the Panel Front Assy ("FM" and "AM" are reverse) the following rework were made on the production floor for sets with SV code "00":

- 1. Jumper between pin 1 and 6 of item 1102
- 2. Cut copper track between pin 2 and 5 of item 1102



Only Panel Front Assy with the correct printing will be in stock. In case there is a need to change the Panel Front Assy (pos. 280, 4822 423 51167, 4822 423 51169) for sets with SV code "00", do the following:

- 1. Remove the jumper.
- 2. Join pin 2 and 5 of item 1102